

COLLEGE OF OTTAWA

1874

PROSPECTUS

AND

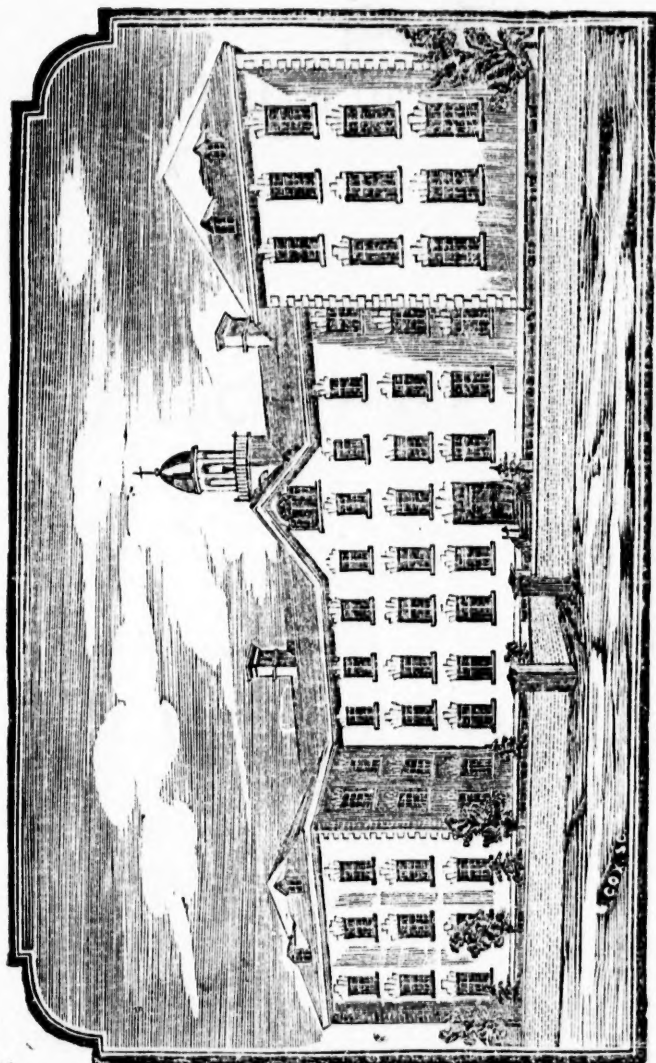
COURSE OF STUDIES.

OTTAWA:

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COLLEGE OF OTTAWA.

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COLLEGE OF OTTAWA.

The College of Ottawa, under the direction of the Oblate Fathers of Mary Immaculate, is situated in one of the most healthy localities of the city. Its position unites all the benefits of country atmosphere, and aspect with the conveniences of city life. Its buildings are spacious, and well calculated to insure the health, and general well-being of the students.

The grounds are enclosed, and well shaded, and afford every desirable facility for youthful exercise and amusement. All the attractions of the recreation-room; the gymnasium; and the ball court are provided.

The country house of the College occupies a beautiful site on the banks of the Rideau. It is surrounded by extensive play-grounds, which offer special attractions to the students during the holidays.

Together with these advantages so conducive to the preservation of health, the daily attendance of a competent doctor and surgeon is procured for the College. In case of illness, the students are confided to the care of the Sisters of Charity, who are in charge of the Infirmary.

The observance of discipline and good order, being indispensable to insure the success of the students in their studies, exact observance of the rules of the College is enforced. Moral influence is had recourse to especially, as an incentive to the duties prescribed.

Serious infringement of discipline, habitual profanity of language, and the introduction of irreligious or otherwise pernicious works are causes of expulsion.

The use of tobacco is prohibited. The students, to gain admission, must present a certificate of good conduct.

In the course of each year there are two general examinations, held respectively towards the end of January, and June. At the close of each, reports are forwarded to parents.

The scholastic year is divided into two terms of five months each.

FEEES :—

Tuition and Board, Medical Attendance, Washing and Mending, <i>Bed & Bedding</i> Per Term,.....	\$80 00.
Day Scholars, per Term,	\$12 50

EXTRAS.

Music :—

Lessons on the Piano, per Term,.....	\$12 50
Use of Piano.....	\$5 00

The College Band receives excellent training, and is provided with a large and choice variety of instruments. The students who wish to enter it, have previously to make special arrangement with its Superintendent.

N.B.—The study of drawing being obligatory for every class, does not entail any extra charge. The same applies to vocal music.

All charges are payable each term in advance.

No uniform is required. The outfit of each student must be comprised of at least six shirts, six pairs of stockings, six pocket-handkerchiefs, six towels, two hats or caps, and three pairs of boots or shoes.

Books, stationery, &c., may be procured at the College; in which case a sum equivalent to the required expense must be deposited with the Bursar.

Students are not admitted, save on condition that they attend at least one term. Should a student leave College within the term, no reduction of fee is made in his favor.

Cases of expulsion, and of sickness, are the only exceptions to this rule.

Previous to leaving College, timely notice must be given, that accounts may be settled, and the necessary sum to defray travelling expenses be obtained.

The programme of studies in the college comprises three courses.

1st.—Commercial Course.

2nd.—Civil Engineering Course.

3rd.—Classical Course.

No student is admitted to any one of these courses before having given proof, by a satisfactory examination, of competent preparation to warrant his advancing to such advantageously.

The subject matter of these examinations is expressed in the programme respectively for each course.

The Commercial Course is so arranged as to enable students to embrace either or both of the remaining and superior courses. But those who desire to bring their studies to a close at this epoch, have already acquired such an education as may befit them to embrace many states in life which do not require the more advanced studies.

Students who have followed the Course of Civil Engineering, and passed therein a satisfactory examination, receive a certificate in attestation of the branches studied, and of the success by which their talent and application have been rewarded.

The college of Ottawa being by Act of Legislature, bearing date 15th of August, 1866, endowed with University powers, confers the degree of "Bachelor of Arts," and "Master of Arts," on such students as have successfully followed the prescribed classical course.

In order to receive the degree of "Bachelor of Arts," students must undergo two oral, and two written examinations—one of each at the end of their first five years—upon all the subject matter of their Classical Course, and again at the close of their seventh year upon Philosophy, Mathematics, and the higher sciences.

Two years afterwards, any such student wishing to obtain the degree of "Master of Arts," may, by writing, make known his intention to the President of the College, who will exact a sufficient test of ability to warrant his conferring the desired favor.

Particular attention is paid to religious instruction. Care is taken to form in the minds of the students throughout their entire course, such high and becoming notions of their holy faith, as may befit them to become good Christian members of society. Explanations of the Catechism, and discourses on the principal mysteries of religion, form the staple of the instruction imparted.

The annual vacation begins on the last Wednesday of June, and ends on the 1st September. There being no recess at Christmas or Easter, students may not then be withdrawn from their studies.

COMMERCIAL COURSE.

MATTERS REQUIRED FOR ADMISSION TO THE COMMERCIAL AND PREPARATORY COURSE.

English.—

Reading.
Spelling.
Arithmetic—Thompson's Practical.
English Grammar—Bullion.
History—Kerney.
Writing.

French.—

Reading.
Spelling.
Translation into English.
Elementary Grammar.
General outlines of Geography and History.

FIRST FORM.

English.—Reading : Fifth Reader.

Spelling.

English Grammar : Bullion's.

French.—Reading. }
Translation. } Darcy.

Grammaire complète : Larousse.

Style et Composition.

History.—Kerney's Compendium.

Geography.

Arithmetic.—Thompson's Large Arithmetic.

Object Lessons.

Book-keeping.

Drawing.

SECOND FORM.

English.—English Grammar.

English Literature.

Composition.

French.—Grammaire complète : Larousse.

Analyse Littéraire.

Composition Française.

History of England.

Geography.

Algebra.—Robinson's Elementary Algebra.

Book-keeping.

Drawing.

THIRD FORM.

English.—English Literature.

Composition.

French.—Littérature Française.

Composition.

History.—History of North British America and United States.

Geometry.—Robinson's Plane Geometry.

Drawing.

Elements of Natural Philosophy; Theories of Electricity;
Telegraphy; Banking; Insurance; Brokerage; Partnership;
Exchange; etc.

Phonography.



COURSE

OF

CIVIL ENGINEERING.

TERMS OF ADMISSION OF CANDIDATES TO THE COURSE OF CIVIL ENGINEERING.

Admission to the course of Civil Engineering will be granted after a satisfactory examination on the following subjects, viz.:

1. English Grammar.
2. Geography.
3. History.
4. Penmanship.
5. Arithmetic.
6. Algebra, including equations of the second degree.
7. Elementary Plane Geometry and Trigonometry.
8. Use of the Tables of Logarithms.
9. Mensuration of surfaces and solids.
10. Use of mathematical instruments, scales and globes.
11. Linear drawing, and the first principles of coloring and shading.
12. Elementary principles of Natural Philosophy.

COURSE OF CIVIL ENGINEERING.

1ST YEAR.

1. Algebra, including the general theory and numerical solution of the higher equations above the second degree.
2. Plane and solid Geometry.
3. Rectilineal and Spherical Trigonometry.
4. Analytical Geometry of two and three dimensions, including Conic Sections.
5. Analytical plane and Spherical Trigonometry.
6. Mensuration of surfaces and solids.
7. General principles of Optics.
8. Use and adjustment of Surveying Instruments, of Thermometer, Barometer, &c.
9. Land Surveying.
10. Protraction, reduction and lettering of plans, maps, &c.
11. Chemistry and Botany.

Principles of Moral Philosophy.

COURSE OF CIVIL ENGINEERING.

2ND YEAR.

1. Analytical Geometry and Trigonometry.
 2. Application of Algebra to Geometry.
 3. Topographical Surveying and Levelling.
 4. Natural Philosophy.
 5. Principles of Statics, Dynamics, Hydrostatics, Hydraulics, and mechanics in general.
 6. Elements of Astronomy.
 7. Rudiments of Geology, Mineralogy and Metallurgy.
 8. Nautical Surveying.
 9. Construction of Charts and various systems of projection.
 10. Perspective Drawing.
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Society in general, nature and origin of society; domestic, civil and religious society.

COURSE OF CIVIL ENGINEERING.

3RD YEAR.

1. Introduction to Differential and Integral Calculus.
2. Rudiments. Theory of the science of Thermo Dynamics, properties of steam.
3. The Mechanics of Engineering, and the construction of machines, in their different branches.
4. Roads and Railways—Location, construction, management.
5. Canals, Reservoirs, Raceways, do. do.
6. Viaducts, Aqueducts, Tunnels.
7. Bridges, fixed and movable, of wood, iron or stone.
8. Improvement of rivers and sea-coast improvements.
9. Harbours and Light-Houses.
10. Dams, coffer-dams and unwatering of works.
11. Submarine blasting, &c.
12. Specifications and Estimates.

Political Economy.

COLLEGIATE COURSE.

MATTERS REQUIRED FOR ADMISSION TO THE CLASSICAL COURSE.

The English Student must know the English Grammar—(Bullion), and the French language sufficiently to understand it when read.

The French Student must know the French Grammar—(Larousse), and the English Grammar—(Bullion).

All the Students shall be required to know—

Arithmetic—Thompson.

Algebra—Robinson's Elementary.

Geometry—Robinson's Plane.

Physics—Silliman's Elements of.

FIRST FORM.

Latin.—Latin Grammar. Arnold's Exercises. Caesar's Commentaries, Extracts. Ovid, Extracts

Greek.—Greek Grammar. Arnold's Greek prose Exercises. The Gospel of St. Luke. Anabasis, Extracts.

History and Geography.—Ancient History. Mythology Ancient Geography.

English.—English Language and Literature. Analysis and Composition.

French.—French Language and Literature. Analysis and Composition.

Mathematics.—Robinson's University Algebra.

Natural History.—Elementary course of Chemistry.

SECOND FORM.

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- Latin*.—Latin Grammar and Arnold's Exercises continued, Livy, Extracts, Holy Fathers, Extracts, Sallust, Extracts, Virgil's Aeneid, Books 2, 3.
- Greek*.—Greek Grammar and Arnold's Greek Exercises continued, Homer's Iliad, books 1, 2; St. Gregory's letters,
- History and Geography*.—History and Geography of the Middle Ages.
- English*.—English Language and Literature, Analysis and Composition.
- French*.—French Language and Literature, Analysis and Composition.
- Mathematics*.—Robinson's New Geometry and Trigonometry.
- Natural History*.—Botany.
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THIRD FORM.

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- Latin*.—Prosody, Prose Composition, Cicero's "Pro Archia," "Pro Lege Manilia," "De Senectute," or "De Amicitia," Virgil, Extracts from book's IX., X. and XI. Horace, Odes (selection), Holy Fathers, Extracts.
- Greek*.—St. Chrysostom, The Fall of Eutropius, Olynthiacs, Composition, Anthon's Prosody.
- History and Geography*.—Modern History and Geography, History of Ancient Literature.
- English*.—Literary Analysis continued. Prosody, Composition.
- French*.—Literary Analysis continued. Prosody, Composition.
- Mathematics*.—Robinson's Conic Sections, and Analytical Geometry.
- Natural History*.—Zoology, and Geology.

FOURTH FORM.

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- Latin*.—Cicero's "Pro Milone," "De Officiis," (Extracts)
 Holy Fathers, Extracts. Horace, "Satires," book
 I., Sat. 1, book II., Sat. 8, Epistolæ Selectæ. Prose
 Composition, Exercises in Latin Verse.
- Greek*.—Sophocles, "Oedipus Tyrannus," Plato, "Apologia
 Socratis," St. Basil's Discourse to the Young.
- History and Geography*.—History of British North America and
 United States.
 History of Modern Literature.
 Physical Geography.
- English*.—Literature. Exercises in Prose and Verse. Literary
 Analysis continued.
- French*.—Boylesse's Literature. Exercises in Prose and Verse
 Literary Analysis continued.
- Mathematics*.—Astronomy.
- Natural History*.—Mineralogy.
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FIFTH FORM.

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- Latin*.—Tacitus, Seneca, Epistolæ Selectæ, Juvenal, Satires,
 IV. and XIV., Tertullian's Apologetics.
- Greek*.—Demosthenes, "De Corona," St. Chrysostom "On the
 Divinity of Christ."
- History*.—Revision of General History.
- English*.—Whately's Rhetoric, Literary Composition and
 Analysis.
- French*.—Boylesse's Rhetoric, Literary Composition and
 Analysis.
- Mathematics*.—Elements of Differential and Integral Calculus.

SIXTH FORM.

Mental Philosophy.—Logic, Metaphysics.

Natural Philosophy.—Physics of Solids and Fluids, General Principles, Gravitation, Theory of Machinery, The Three States of Matter, Properties of Solids, Hydrodynamics, Gases, Theory of Undulations, Acoustics, Text Book, Silliman.

SEVENTH FORM.

Mental Philosophy.—Natural Theology. Ethics. Political Economy.

History of Philosophy.

Natural Philosophy.—Physics of imponderable agents, Optics; Heat; Electricity. Metereology.

Text Book.—Silliman.

